

GILA RIVER BASIN

09512165 SALT RIVER AT PRIEST DRIVE NEAR PHOENIX, AZ

LOCATION--Lat 33° 26'22", long 111° 57'37", in NE_{1/4}NE_{1/4} sec. 17, T.1 N., R.4 E., Maricopa County, Hydrologic Unit 15060106, on left bank at downstream side of Priest Road bridge, 1.3 mi southeast of Phoenix main post office.

DRAINAGE AREA--13,223 mi².

PERIOD OF RECORD--Dec. 1993 to current year.

GAGE--Water-stage recorder. Elevation of gage is 1,135 ft above sea level, from topographic map.

REMARKS--Records fair.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 81,400 ft³/s Feb. 16, 1995, gage height 12.73 ft, from rating curve adjusted for drawdown based on high-water mark profile at gage; no flow for many days each year.

EXTREMES OUTSIDE PERIOD OF RECORD--Maximum discharge since 1871, 300,000 ft³/s in Feb. 1891.

EXTREMES FOR CURRENT YEAR--Maximum discharge, 210 ft³/s on Jul. 24 at 1900, gage height 2.60 ft. Minimum daily discharge, no flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.90	0.52	2.5	0.08	1.4	1.3	0.28	0.16	0.30	0.95	0.70	1.0
2	0.86	1.6	2.5	0.03	1.2	1.2	0.27	0.15	1.00	0.70	0.70	1.1
3	0.86	0.95	2.6	0.00	1.0	1.1	0.25	0.43	1.1	0.70	0.68	1.2
4	0.93	0.94	6.3	0.01	1.3	0.69	0.42	0.18	0.74	0.74	0.63	1.3
5	1.5	4.3	2.4	0.00	1.8	0.72	0.33	1.2	0.40	0.76	0.78	0.85
6	0.69	0.82	2.1	0.00	1.8	1.6	0.21	1.2	0.34	0.74	0.83	1.1
7	0.72	0.39	1.9	0.00	1.7	2.4	0.22	0.46	0.34	0.73	0.82	1.5
8	1.5	0.50	1.9	0.00	1.3	2.7	0.96	0.15	0.33	0.77	0.71	1.3
9	1.0	0.84	2.0	0.00	1.7	1.3	0.77	0.12	0.31	0.84	0.59	1.5
10	0.78	0.91	2.0	0.05	0.94	1.3	0.19	0.12	0.32	0.88	0.96	1.0
11	0.77	1.0	2.6	0.01	2.1	2.0	0.19	0.11	0.33	0.82	0.71	0.95
12	0.78	1.3	1.7	0.00	1.1	1.2	0.17	0.09	0.33	0.91	1.0	0.81
13	0.74	1.9	1.3	0.02	0.97	0.81	0.14	0.30	0.38	1.2	0.44	0.77
14	0.73	2.1	1.3	0.10	1.4	0.83	0.13	0.64	0.53	6.8	0.35	0.76
15	0.73	3.1	0.95	0.00	1.5	0.81	0.13	0.20	0.92	3.8	0.34	0.74
16	0.74	2.6	0.85	0.00	1.0	0.76	0.17	0.33	1.3	1.7	0.38	0.69
17	0.70	2.1	0.84	0.00	1.1	1.0	0.12	0.19	0.95	0.67	0.41	0.66
18	0.60	1.8	0.81	0.00	1.7	0.75	0.22	0.83	0.60	0.66	0.51	0.63
19	0.65	2.1	0.68	0.00	1.5	0.59	0.41	1.4	0.48	0.72	0.51	0.59
20	0.64	2.2	0.68	0.00	0.92	0.70	0.14	1.7	0.48	0.70	0.51	0.65
21	0.62	2.1	0.52	0.00	1.9	0.67	0.10	1.1	0.50	0.66	0.57	0.78
22	0.61	2.4	0.40	0.00	1.1	1.3	0.82	0.67	0.53	0.63	0.58	1.4
23	0.60	2.3	0.41	0.43	0.84	0.67	0.33	0.52	0.58	2.1	0.69	2.0
24	0.73	2.1	0.41	0.00	0.64	0.50	0.14	0.46	0.63	24	0.59	0.65
25	0.70	2.3	0.30	0.00	0.61	0.49	0.12	0.40	0.60	1.2	1.3	0.54
26	0.59	2.4	0.33	0.09	1.1	0.43	0.10	0.35	0.64	0.77	1.1	0.54
27	0.54	2.7	0.94	0.00	1.3	0.41	0.10	0.32	0.67	0.53	0.85	0.56
28	0.51	2.8	0.47	0.00	1.4	0.37	0.14	0.34	0.83	1.1	0.76	0.60
29	0.63	3.0	0.08	0.00	---	0.33	0.15	0.34	0.81	1.1	0.85	0.60
30	0.57	2.8	0.12	11	---	0.33	0.13	0.34	1.5	0.85	0.88	0.63
31	0.49	---	0.06	2.6	---	0.31	---	0.32	---	0.73	0.95	---
TOTAL	23.41	56.87	41.95	14.41	36.32	29.57	7.85	15.12	18.77	59.46	21.68	27.40
MEAN	0.755	1.896	1.353	0.465	1.297	0.954	0.262	0.488	0.626	1.918	0.699	0.913
MAX	1.5	4.3	6.3	11	2.1	2.7	0.96	1.7	1.5	24	1.3	2.0
MIN	0.49	0.39	0.06	0.00	0.61	0.31	0.10	0.09	0.30	0.53	0.34	0.54
AC-FT	46	113	83	29	72	59	16	30	37	118	43	54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

MEAN	1.489	0.790	1.210	21.04	586.0	841.8	150.1	0.450	0.351	1.636	0.705	3.761
MAX	9.39	3.17	5.48	183	5309	7555	968	1.82	1.46	7.38	2.28	21.8
(WY)	2001	2001	1995	1995	1995	1995	1998	2001	2000	1999	2001	1995
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	1995	1995	1996	1994	1994	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1994 - 2002
ANNUAL TOTAL	868.18	352.81	
ANNUAL MEAN	2.379	0.967	148.1
HIGHEST ANNUAL MEAN			1098
LOWEST ANNUAL MEAN			0.000
HIGHEST DAILY MEAN	65	Mar 8	1995
LOWEST DAILY MEAN	0.06	Dec 31	1993
ANNUAL SEVEN-DAY MINIMUM	0.33	Dec 25	0.00
ANNUAL RUNOFF (AC-FT)	1720	700	107300
10 PERCENT EXCEEDS	2.8	2.0	2.1
50 PERCENT EXCEEDS	1.6	0.70	0.00
90 PERCENT EXCEEDS	0.70	0.12	0.00